

# ION UPGRADE KIT

SKU: NM10-B-E-ION



Energize your computing experience with the ZOTAC ION™ Upgrade Kit featuring a ZOTAC small form factor motherboard and ION™ graphics card for computing that goes beyond simple web browsing. Combining a ZOTAC small form factor motherboard and ION™ graphics card enables users to take advantage of the CPU for general system usage while the high-performance ION™ graphics processor is available for premium tasks such as high definition video playback, OpenCL, DirectCompute and NVIDIA® CUDA™ powered applications.

Hardware decode acceleration of high-definition video formats such as H.264, VC-1, WMV, DivX®, MPEG-2 and MPEG-4 for ultra-smooth video playback of your favorite Blu-ray titles and movie files while Adobe® Flash® Player 10.1 video acceleration enables flawless playback of streaming high definition Internet video from sites such as YouTube™, Vimeo™, Hulu™ and more with the ZOTAC ION™ Upgrade Kit. NVIDIA® CUDA™, OpenCL and DirectCompute compatibility enables the ZOTAC ION™ Upgrade Kit to accelerate everyday tasks with the ION™ graphics processor – including video and image editing – for performance that rivals higher end systems while delivering a greater value.

## NM10-DTX WiFi Specifications

- Intel® Atom™ D510 (dual-core)
- Processor clock: 1.66 GHz
- Intel® HyperThreading™ technology
- Intel® NM10 Express chipset
- Zero-noise passive cooling

## ION™ Graphics Card Specifications

- NVIDIA® ION™ graphics processor
- Engine Clock: 589 MHz
- Unified Shaders: 16
- Shader Clock: 1402 MHz
- 512MB DDR3 memory
- Memory Clock: 790 MHz
- Low-profile form factor

## Memory support

- DDR2-667/800
- 2 x 240 pin DDR2 DIMM slots
- Up to 4GB ram

## ION™ Graphics Card



## Motherboard Dimensions

- Mini-DTX form factor
- Height: 7.99in - 203mm
- Width: 6.7in - 170mm



## Inside the box

- 2 SATA cable
- 1 SATA power adapter
- 1 I/O back plate
- 2 I/O brackets (graphics card)



## Features

- NVIDIA® CUDA™ technology
- NVIDIA® PureVideo™ HD technology
- Microsoft® DirectX® 10.1 compatible
- Microsoft® DirectCompute compatible
- OpenCL compatible
- Onboard 802.11n WiFi
- 5.1-channel High Definition Audio

## Storage support

- 2 SATA 3.0Gb/s ports
- 4 SATA 3.0Gb/s ports w/RAID 0, 1 & 0+1
- 1 eSATA 3.0 Gb/s

## Expansion

- 1 PCI Express x16 (single lane)
- 1 PCI Express x1 (occupied by ION™ GPU)
- 1 Mini PCI Express (one occupied by WiFi module)

## Connectors

- 10 USB ports (6 on back panel, 4 via pin header)
- 1 Serial port header
- 1 HD Audio Port (Line-in, Line-out, Mic-in)
- 1 PS/2 keyboard port
- 1 RJ45 Ethernet (Gigabit)
- 2 Digital S/PDIF outputs (1 optical, 1 coaxial)

## Display outputs

- DVI (HDCP compliant)
- HDMI (HDCP compliant)
- VGA (optional bracket)



## Size comparison

